Mathematics 425/515

Course Objectives Lectures to cover the elements of the Lebesgue integral on $\mathbb{R}$.

Grading: Grades will be based upon homework.

Absences: Regular attendance is strongly recommended.

Textbook: Royden, Real Analysis, Third Edition[1]. Occasional notes distributed in class.

Examinations and papers: No examinations or papers.

Assignments: Ten homework assignments[2]. Homework due dates are rigid: They are

#1	Wednesday, September 2
#2	Friday, September 11
#3	Monday, September 21
#4	Friday, October 2
#5	Wednesday, October 14
#6	Monday, October 26
#7	Friday, November 6
#8	Monday, November 16
#9	Wednesday, November 25
#10	Friday, December 4

Students enrolled in Mathematics 515 are expected to prepare at least one assignment in TeX. All assignments are to be **handed in in class and NOT** submitted as PDF files by email..

Instructor: W.A. Veech, HB 406, X4881, veech@rice.edu

[1] Third Edition is preferred, but the Bookstore was forced to take the Fourth Edition. It is possible to obtain the Third Edition from other vendors, e.g., through Amazon. The only problem between the two versions is that problem numbers, pages vary.

[2] Students are **strongly encouraged** to preserve the homework assignments and solution sets in a three ring notebook.The total pagination of materials to be distributed during the semester is in excess of 100 pp. Results from early assignments are freely cited in later assignments.

Office Hours: By drop-in or appointment.

Any student with a disability that requires accomodation is encouraged to contact the instructor and Disability Support Sevices in the Allen Center.

The information contained in this syllabus, other than the absence policy, may be subject to change with reasonable advance notice, as deemed appropriate by the instructor.